

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/052360

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C09K3/10 F16J15/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C09K F16J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 199 41 410 A1 (STE-INGENIEURBUERO STECHER) 8 March 2001 (2001-03-08) cited in the application claims 1,4; example 1	1-26
X	DE 32 32 255 A1 (GOETZE AG; FRENZELIT WERKE GMBH & CO KG) 8 March 1984 (1984-03-08) cited in the application page 10; claims	1-26
X	DE 101 14 554 A1 (QUADRANT PLASTIC COMPOSITES AG, LENZBURG) 26 September 2002 (2002-09-26) cited in the application claims	1-26
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

21 February 2005

Date of mailing of the international search report

02/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3018

Authorized officer

Puetz, C

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/052360

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 44 19 007 A1 (FA. CARL FREUDENBERG, 69469 WEINHEIM, DE; FA. CARL FREUDENBERG) 18 January 1996 (1996-01-18) cited in the application the whole document	1-26
A	DE 41 13 153 A1 (DU PONT DE NEMOURS INTERNATIONAL S.A., LE GRAND-SACONNEX, GENEVE, CH) 29 October 1992 (1992-10-29) claims	1, 12
A	DE 197 35 390 A1 (REINZ-DICHTUNGS-GMBH, 89233 NEU-ULM, DE) 25 February 1999 (1999-02-25) claim 10	1, 12
A	EP 0 774 343 B (PLASTIFOL GMBH & CO KG; LEAR CORPORATION GMBH & CO. KG) 26 February 2003 (2003-02-26) cited in the application paragraph '0028' claims 1-4	1
A	DE 41 16 800 A1 (BAYER AG, 5090 LEVERKUSEN, DE) 26 November 1992 (1992-11-26) cited in the application the whole document	1
A	DE 101 28 346 A1 (CARL FREUDENBERG KG) 6 March 2003 (2003-03-06) cited in the application claims	1, 12
A	EP 1 006 237 A (OJI PAPER CO., LTD; SHIN-KOBE ELECTRIC MACHINERY CO. LTD) 7 June 2000 (2000-06-07) claims	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/052360

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 19941410	A1	08-03-2001	DE 29923778 U1 07-06-2001 WO 0116240 A1 08-03-2001 EP 1228153 A1 07-08-2002 EP 1361261 A2 12-11-2003
DE 3232255	A1	08-03-1984	DE 3370648 D1 07-05-1987 EP 0104317 A1 04-04-1984 ES 8501091 A1 01-02-1985 JP 59058077 A 03-04-1984 US 4748075 A 31-05-1988
DE 10114554	A1	26-09-2002	WO 02077076 A1 03-10-2002 EP 1373375 A1 02-01-2004
DE 4419007	A1	18-01-1996	BR 9502609 A 02-01-1996 CN 1116286 A ,C 07-02-1996 FR 2720466 A1 01-12-1995
DE 4113153	A1	29-10-1992	EP 0581893 A1 09-02-1994 JP 6507196 T 11-08-1994 WO 9218578 A1 29-10-1992
DE 19735390	A1	25-02-1999	WO 9909339 A2 25-02-1999 DE 59808080 D1 28-05-2003 EP 1002205 A2 24-05-2000 US 6398224 B1 04-06-2002
EP 0774343	B	21-05-1997	DE 29518036 U1 20-03-1997 AT 233179 T 15-03-2003 DE 59610168 D1 03-04-2003 EP 0774343 A1 21-05-1997
DE 4116800	A1	26-11-1992	NONE
DE 10128346	A1	06-03-2003	CA 2450697 A1 19-12-2002 WO 02101267 A1 19-12-2002 EP 1395767 A1 10-03-2004 MX PA03011543 A 15-06-2004 US 2004239046 A1 02-12-2004
EP 1006237	A	07-06-2000	JP 2000141522 A 23-05-2000 EP 1006237 A1 07-06-2000 TW 469315 B 21-12-2001 US 2003157858 A1 21-08-2003 US 2002197466 A1 26-12-2002